Issuance Date: June 22, 2000
Effective Date: June 30, 2000
Expiration Date: June 22, 2005
1st Modification Date: December 12, 2003

STATE WASTE DISCHARGE PERMIT NUMBER ST-7400

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office
3190 – 160th Avenue SE
Bellevue, Washington 98008-5452

In compliance with the provisions of the
State of Washington Water Pollution Control Law
Chapter 90.48 Revised Code of Washington, as amended,
authorizes

TWIN CITY FOODS, INC. (Stanwood Operations)
P.O. Box 699
Stanwood, Washington 98292

Facility Location: 10120 269th Place NW Stanwood, WA 98292 Snohomish County	Receiving Water: Outfall: #001- Groundwater via Land Application #002- Stanwood Wastewater Treatment Plant
Wastewater Treatment Plant (WWTP) Receiving Discharge: City of Stanwood WWTP WA-002029-0 Industry Type: Vegetable Processing and Cold Storage SIC Code: 2037	Discharge Location: #001: 597 acres located in the Stillaguamish floodplain within the East ½ of S1, T31N, R3E W.M., South ½ S25, S36, T32N, R3E, W.M., Southwest ¼ of the Southwest ¼ S30, Southwest ¼ S31, T32N, R4 E.W.M. #002: Latitude: 48° 14' 09" N Longitude: 122° 21' 22" W

to discharge in accordance with the special and general conditions which follow.

Kevin C. Fitzpatrick
Water Quality Section Manager
Northwest Regional Office
Washington State Department of Ecology

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GENERAL CONDITIONS

SUMMARY OF PERMIT REPORT SUBMITTALS

Refer to the Special and General Conditions sections of this permit for unscheduled submittal requirements.

Permit Section	Submittal	Frequency	First Submittal Date
S3.A.	Discharge Monitoring Report	Monthly	July 30, 2000
S5.A.	Operations and Maintenance Manual Update	Annually, by March 1	March 1, 2001
S8.C.	Solid Waste Control Plan Update	1/permit cycle	180 days before permit expiration
S9.	Compliance Schedule: Schedule for design and installation of storage lagoon(s)	Once	By August 15, 2000
S9.	Compliance Schedule: Written verification of fully operational storage facility	Once	By November 15, 2000
S10.	Irrigation and Crop Management Plan	Annually	By March 1, 2001
G7.	Application for Permit Renewal	1/permit cycle	At least 180 days before permit expiration

SPECIAL CONDITIONS

S1. DISCHARGE LIMITATIONS

All discharges and activities authorized by this permit shall be consistent with the terms and conditions of this permit. The discharge of any of the following pollutants or flows more frequently than, or at a concentration in excess of that authorized by this permit shall constitute a violation of the terms and conditions of this permit.

A. Interim Discharge Limitations for Discharge to a POTW

Beginning on the effective date and lasting until September 1, 2000, the Permittee is authorized to discharge screened process wastewater to the City of Stanwood Wastewater Treatment Plant subject to the following limitations:

	INTERIM EFFLUENT LIMITATIONS: 002	
Parameter	**Average Weekly [a]**	**Maximum Daily [b]**
Flow (gpd)	60,000 gpd	75,000 gpd 300 gpm instantaneous peak
BOD_5	125 lbs/day	150 lbs/day
pH	Between 5.0 and 11.0 std units	
[a] The average weekly effluent limitation is defined as the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.		
[b] The maximum daily effluent limitation is defined as the highest allowable daily discharge. The daily discharge means the discharge of a pollutant or flow measured during a calendar day. For pollutants with limitations expressed in units of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the day. For other units of measurement, the daily discharge is the average measurement of the flow or pollutant over the day.		

After September 1, 2000, all process wastewater shall be sent to the field lagoons and land applied according to the Special and General Conditions which follow. The discharge of non-contact cooling water, process wastewater, and clean-up water associated with the processing of vegetables shall not be discharged to the City of Stanwood WWTP after September 1, 2000.

B. Land Application Discharge Limitations

Beginning on the effective date and lasting through the expiration date of this permit, the Permittee is authorized to apply wastewater to land via spray irrigation at agronomic rates during the months of March through October, on the following designated irrigation lands:

Approximately 597 acres located south of the city of Stanwood, on the portion of the Stillaguamish floodplain within the east ½ of section 1, T. 31N, R. 3E W.M., South ½ of section 25, section 36, T. 32N, R. 3E, W.M., southwest ¼ of S. 31, T. 32N, R. 4 E.W.M.

Total nitrogen and water applied to the irrigation lands (including dairy waste application) shall not exceed the crop requirements as determined by the Permittee's Annual Irrigation and Crop Management Plan, Special Condition S7. Discharges shall be subject to the following limitations:

	EFFLUENT LIMITATIONS: 001
Parameter	**Annual Land Application Rate**
Flow to fields	19 inches/acre/year
Total Nitrogen (to fields)	100 pounds/acre/year[a]
pH	Not outside the range of 6.5 to 8.5 std units
[a] The application rate for total nitrogen was calculated to account for dairy application. See Fact Sheet for discussion.	

Land application of wastewater shall be prohibited between November 1 and March 1 of each year. Land application in October and March shall be dependent on the current year climactic and field conditions and shall occur only with prior written approval by the Department. There shall be no application to ponded water or flooded fields at any time.

The Permittee shall not directly discharge repack or process wastewater or non-contact cooling water to surface waters of the state.

S2. MONITORING REQUIREMENTS

A. Municipal Sewer System Discharge Monitoring

The Permittee shall monitor all non-domestic discharges to the City of Stanwood WWTP (to include repack wastewater, clean-up water, and any process wastewater), after screening and prior to it combining with any domestic wastewater flows, according to the following schedule:

Parameter	Units	Sampling Frequency	Sample Type
Flow	gpd	continuous	meter
BOD_5	mg/L; lbs/day	1 / 2 weeks [a]	24 hour, flow paced composite
Total Suspended Solids (TSS)	mg/L; lbs/day	1 / 2 weeks [a]	24 hour, flow paced composite
Total Nitrogen	mg/L	monthly	composite
pH	standard units	weekly	grab
[a] The term "1 / 2 weeks" means once every two weeks.			

B. Irrigation Wastewater Monitoring

The wastewater shall be sampled after entering the lagoon but prior to field application. The sampling point for the effluent from the above ground treatment works will be at the sampling port at the pumping manifold at the east end of the lagoon. The Permittee shall monitor the wastewater according to the following schedule:

Parameter	Units	Sampling Frequency	Sample Type
Flow	gpd	continuous	metered/calculated [1]
pH	std. units	daily	grab
TKN-N	mg/L	1/month	grab
NO_2+NO_3	mg/L	1/month	grab
Conductivity	umhos/cm	1/month	grab
TDS	mg/L	1/month	grab
Total Phosphorus (as P)	mg/L	4/year [2]	grab
Sodium (Na)	mg/L	4/year [2]	grab
Calcium (Ca)	mg/L	4/year [2]	grab
Magnesium (Mg)	mg/L	4/year [2]	grab
Chloride (Cl)	mg/L	4/year [2]	grab
[1] Repack water shall be monitored. All incoming water to the plant shall be recorded. Discharges into and out of the lagoons shall be calculated.			
[2] March, June, August, and October			

The flow meter shall be audited twice annually by an independent consultant, in the months of April and September. The results shall be submitted annually with the Irrigation and Crop Management Plan.

C. Surface Water Monitoring

Surface water quality sampling shall be at five (5) drainage ditch monitoring stations located near tide gates at South Pass, Stillaguamish River, and Hat Slough. The Permittee shall monitor the surface water stations according to the following schedule:

Parameter	Units	Sampling Frequency	Sample Type
Fecal Coliform	#/100 mL	monthly[2]	grab
NH_4 -N	mg/L	monthly[1]	grab
NO_3-N	mg/L	monthly[1]	grab
Conductivity	umhos/cm	monthly[1]	grab
pH	std. units	monthly[1]	grab
[1] Initial sampling each season shall be conducted in March, prior to land application. Subsequent sampling shall be conducted monthly during the irrigation season. Final surface water sampling shall be one (1) week following final process wastewater land application, in November.			
[2] Sampling shall begin January 2004, and continue for at least one (1) year. Sampling shall be at sample locations 1, 2, 3, and 5. Samples shall be analyzed for fecal coliform bacteria using the membrane filter method. Samples shall be reported monthly on the form provided.			

The sample locations are as follows (Map attached to Fact Sheet):

Sample location #1: The western-most sampling location by South Pass tide gate.

Sampling location #2: The tide gate discharging to the Stillaguamish River by the Borseth property.

Sampling location #3: Located east of #2, the tide gate discharging to the Stillaguamish River from the Grinde property.

Sample location #4: At the tide gate at the southernmost land application area, discharging to Hat Slough.

Sample location #5: In the south ½ of Section 30, the tide gate that discharges to the Stillaguamish River from the Williams property, near the Stillaguamish River drawbridge. This location has been referred to as the background (control) surface water monitoring station. Recent information indicates that dairy waste drains directly out this ditch.

The surface water sampling results shall be submitted with the Annual Irrigation and Crop Management Plan.

*The fecal coliform samples shall be submitted monthly on the form provided.

D. Soil Monitoring

The Permittee shall perform soil monitoring on the irrigation lands once per year in October from: 1) Section 25 in the vicinity of the shops, 2) Section 36 near the wastewater lagoon, and 3) Section 1 near Thurmond Farm. The three sampling sites shall remain in the same vicinity from year to year. Testing at each sampling site shall be done on one-foot soil increments. Results shall be submitted with the Annual Irrigation and Crop Management Plan.

Composite samples shall be from a minimum of four (4) cores from each of the three sample locations. Samples shall be collected at a time that best represents soil conditions at the end of the crop growing season.

The Permittee shall monitor the soils according to the following schedule:

Parameter	**Units**	**Depth Increments[1]**
Exchangeable sodium percentage	%	1,2
Cation exchange capacity	meq/100g	1,2
Organic matter	%	1,2
TKN (as N)	mg/Kg	1,2,4
NO_3 (as N)	mg/Kg	1,2,4
NH_3 (as N)	mg/Kg	1,2,4
Total-P (as P)	mg/Kg	1,2,4
Conductivity	mmhos/cm	1,2,4
Sodium	meq/100g	1,2,4
Calcium	meq/100g	1,2,4
Magnesium	meq/100g	1,2,4
Chloride	mg/Kg	1,2,4
Potassium	mg/Kg	1,2,4
Sulfate (as S)	mg/Kg	1,2,4
pH	std. units	1,2

[1] Depth (inches) vs. Depth increment (ft.) for composite samples:

0-12”	1
12-24”	2
36-48”	4

E. Crop Monitoring

The Permittee shall perform crop monitoring on representative fields during harvest, twice a year. Composite samples will be comprised of at least ten (10) random samples collected from each of the representative fields. (Twice a year, a composite sample of the harvested crops will be analyzed). Results shall be included in the Annual Irrigation and Crop Management Plan.

The Permittee shall monitor the crops according to the following schedule:

Parameter	Units
Crop production	dry tons/ac
Moisture content	%
Crude protein	%
Total Kjeldahl Nitrogen (TKN)	%
NO_3 (as N)	mg/Kg (dry wt)
Total-P (as P)	%
Sodium	mg/Kg (dry wt)
Magnesium	"
Potassium	"
Calcium	"

F. Sampling and Analytical Procedures

Samples and measurements taken to meet the requirements of this permit shall be representative of the volume and nature of the wastewater discharge, including representative sampling of any unusual discharge or discharge condition, including bypasses, upsets, and maintenance-related conditions affecting effluent quality.

Sampling and analytical methods used to meet the water and wastewater monitoring requirements specified in this permit shall conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136 or to the latest revision of *Standard Methods for the Examination of Water and Wastewater* (APHA), unless otherwise specified in this permit or approved in writing by the Department of Ecology (Department).

All soil analysis and reporting will be in accordance with *Laboratory Procedures*, Soil Testing Laboratory, Washington State University, November 1981.

G. Flow Measurement

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the quantity of monitored flows. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements are consistent with the accepted industry standard for that type of device. Frequency of calibration shall be in conformance with manufacturer's recommendations or at a minimum frequency of at least one calibration per year. Calibration records shall be maintained for at least three years.

The flow meter or pump clock at the lagoon shall be audited twice annually by an independent consultant, in the months of April and September. The results shall be submitted annually with the annual Irrigation and Crop Management Plan.

H. Laboratory Accreditation

All monitoring data required by the Department shall be prepared by a laboratory registered or accredited under the provisions of, *Accreditation of Environmental Laboratories*, Chapter 173-50 WAC. Flow, temperature, and internal process control parameters are exempt from this requirement. Conductivity and pH shall be accredited if the laboratory must otherwise be registered or accredited. The Department exempts crops and soils data from this requirement pending accreditation of laboratories for analysis of these media. Crop and soil data shall be provided by a lab accredited for similar parameters in water media.

S3. REPORTING AND RECORDKEEPING REQUIREMENTS

The Permittee shall monitor and report in accordance with the following conditions. The falsification of information submitted to the Department shall constitute a violation of the terms and conditions of this permit.

A. Reporting

The first monitoring period begins on the effective date of the permit. Monitoring results shall be submitted monthly. Monitoring data obtained during the previous month shall be summarized and reported on a form provided (DMR), or otherwise approved, by the Department, and be received no later than the 30th day of the month following the completed reporting period, unless otherwise specified in this permit. All monitoring data shall be submitted with the DMRs. The annual report required in Special Condition S10. shall be submitted by March 1 of each year following land application.

The report(s) shall be sent to the Department of Ecology, Northwest Regional Office, 3190-160th Avenue SE, Bellevue, Washington 98008-5452.

Discharge Monitoring Report (DMR) forms must be submitted monthly whether or not a discharge occurred during the previous month. If there was no discharge or the facility was not operating during a given monitoring period, the Permittee shall submit a DMR form (one page) indicating that no discharge occurred.

The Irrigation and Crop Management Plan shall be submitted annually by March 1.

B. Records Retention

The Permittee shall retain records of all monitoring information for a minimum of three (3) years. Such information shall include all calibration and maintenance records and all original recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

C. Recording of Results

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place, and time of sampling; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

D. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by this permit using test procedures specified by Condition S2. of this permit, then the results of this monitoring shall be included in calculation and reporting of the data submitted in the Permittee's self-monitoring reports.

E. Noncompliance Notification

In the event the Permittee is unable to comply with any of the permit terms and conditions due to any cause, the Permittee shall:

1. Immediately take action to stop, contain, and cleanup unauthorized discharges or otherwise stop the violation, and correct the problem;

2. Repeat sampling and analysis of any limit violation and submit the results to the Department within thirty (30) days after becoming aware of the violation;

3. Immediately notify the Department of the failure to comply; and

4. Submit a detailed written report to the Department within thirty (30) days, unless requested earlier by the Department, describing the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of the resampling, and any other pertinent information.

Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply.

S4. FACILITY LOADING

A. Design Criteria for Lagoon(s)

Flows or waste loadings of the following design criteria for the permitted treatment facility shall not be exceeded:

Storage capacity of lagoon #1: 8.5 million gallons capacity

Proposed storage capacity for lagoon #2: 6 million gallons capacity

B. Plans for Maintaining Adequate Capacity

The Permittee shall maintain adequate capacity in the wastewater holding lagoon to handle the flows and waste loadings prior to land application, in compliance with the effluent limitations and other conditions of this permit.

For significant changes in loading to the lagoon, a new application and an engineering report must be prepared and submitted to the Department for review and approval, per WAC 173-240-060 or 173-240-131, prior to lagoon construction. The Permittee shall consider the following actions or any others necessary to meet this objective.

1. Analysis of the present design including the introduction of any process modifications that would establish the ability of the existing facility to achieve the effluent limits and other requirements of this permit at specific levels in excess of the existing design criteria specified in paragraph A above.

2. Modification or expansion of facilities necessary to accommodate increased flow or wasteload.

3. Reduction of industrial or commercial flows or waste loads to allow for increasing sanitary flow or wasteload.

Engineering documents associated with the plan must meet the requirements of WAC 173-240-060, "Engineering Report," and be approved by the Department prior to any construction. The plan shall specify any contracts, ordinances, methods for financing, or other arrangements necessary to achieve this objective.

S5. OPERATION AND MAINTENANCE

The Permittee shall at all times be responsible for the proper operation and maintenance of any facilities or systems of control installed to achieve compliance with the terms and conditions of the permit.

A. Operations and Maintenance Manual

The Operations and Maintenance (O&M) Manual prepared by the Permittee during the previous permit cycle shall be maintained and updated. The O&M Manual shall be reviewed by the Permittee at least annually, by March 1. The Permittee shall confirm the review by letter and/or a manual update to the Department on the anniversary date of permit issuance. All manual changes or updates shall be submitted to the Department whenever they are incorporated into the manual. The approved operation and maintenance manual shall be kept available at the permitted facility.

The operation and maintenance manual shall contain the treatment plant process control monitoring schedule. All operators shall follow the instructions and procedures of this manual.

The manual shall include:

1. Emergency procedures for plant shutdown and cleanup in event of wastewater system upset or failure;

2. Irrigation system operational controls and procedures;

3. Plant maintenance procedures;

B. Bypass Procedures

The Permittee shall immediately notify the Department of any spill, overflow, or bypass from any portion of the treatment system (including the lagoon).

The bypass of wastes from any portion of the treatment system is prohibited unless one of the following conditions (1, 2, or 3) applies:

1. *Unavoidable Bypass* -- Bypass is unavoidable to prevent loss of life, personal injury, or severe property damage. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass.

   If the resulting bypass from any portion of the treatment system results in noncompliance with this permit the Permittee shall notify the Department in accordance with condition S3.E "Noncompliance Notification."

2. *Anticipated Bypass That Has The Potential to Violate Permit Limits or Conditions* -- Bypass is authorized by an administrative order issued by the Department. The Permittee shall apply to the Department for the administrative order at least 30 days before the planned date of bypass. The written submission shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. The Department will consider the following prior to issuing an administrative order:

   a. If the bypass is necessary to perform construction or maintenance-related activities essential to meet the requirements of the permit.

   b. If there are feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, stopping production, maintenance during normal periods of equipment down time, or transport of untreated wastes to another treatment facility.

   c. If the bypass is planned and scheduled to minimize adverse effects on the public and the environment.

   After consideration of the above and the adverse effects of the proposed bypass and any other relevant factors, the Department will approve or deny the request. The public shall be notified and given an opportunity to comment on bypass incidents of significant duration, to the extent feasible. Approval of a request to bypass may be by administrative order issued by the Department under RCW 90.48.120.

3. B*ypass For Essential Maintenance Without the Potential to Cause Violation of Permit Limits or Conditions* -- Bypass is authorized if it is for essential maintenance and does not have the potential to cause violations of limitations or other conditions of the permit, or adversely impact public health as determined by the Department prior to the bypass.

C. Irrigation Land Application

1. There shall be no runoff of wastewater applied to land by spray irrigation to any surface waters of the state or to any land not owned by or under control of the Permittee.

2. The Permittee shall use recognized good practices, and all available and reasonable procedures to control odors from the land application system. When notified by the Department, the Permittee shall implement measures to reduce odors to a reasonable minimum.

3. The wastewater shall not be applied to the irrigation lands in quantities that:

   a. Significantly reduce or destroy the long-term infiltration rate of the soil.

   b. Would cause long-term anaerobic conditions in the soil.

   c. Would cause ponding of wastewater and produce objectionable odors or support insects or vectors.

   d. Would cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the wastewater, partial decomposition products, or soil constituents that would alter ground water quality in amounts that would affect current and future beneficial uses.

4. The Permittee shall maintain all irrigation agreements for lands not owned for the duration of the permit cycle. Any reduction in irrigation lands by termination of any irrigation agreements may result in permit modification or revocation. The Permittee shall immediately inform the Department in writing of any proposed changes to existing agreements.

D. Best Management Practices/Pollution Prevention Program

The permittee shall follow the Best Management Practices (BMPs) listed below:

1. Whenever and where ever possible, the Permittee shall implement irrigation best management practices as described in "*Irrigation Management Practices to Protect Ground Water and Surface Water Quality, State of Washington*" (Ecology, 1995).

2. All cull raw materials; leaves, stems, corn cobs, dirt and other solids from sorting and washing operations, and screened material collected from the waste stream before being pumped to the spray fields, are to be collected and disposed of so as not to enter surface waters of the state.

3. All process wastewater shall be passed through a 20 mesh screen prior to discharge to the spray field.

4. All screens, hoppers, conveyors, pumps, and other equipment provided for wastewater conveyance and solids separation shall be continuously maintained to provide effective operation.

5. The sprayfield shall be maintained and the spray application rates adjusted to prevent ponding of wastewater and prevent runoff into drainage ditches or waters of the state.

6. Operation of the wastewater treatment and application system shall be performed in a manner, which will minimize noxious odors offsite.

7. All sanitary wastes shall be discharged to the City of Stanwood sanitary sewer system.

8. Wastewater spray application shall not be made to areas with standing or ponded water. Wastewater shall not be applied directly to palustrine emergent wetlands of the cattail, scrub-shrub, or wooded type.

9. Wastewater spray application shall not be made on snow covered or frozen fields.

S6. PROHIBITED DISCHARGES

A. General Prohibitions

The Permittee shall not introduce into the POTW pollutant(s), which cause Pass Through or Interference.

B. Specific Prohibitions

In addition, the following shall not be introduced into the POTW:

1. Pollutants which create a fire or explosion hazard in the POTW, including, but not limited to, waste streams with a closed cup flashpoint of less than $60^{o}C$ ($140^{o}F$) using the test methods specified in 40 CFR 261.21.

2. Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference;

3. Any pollutant, including oxygen demanding pollutants (BOD, etc.), released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW;

4. Heat in amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the temperature at the POTW treatment plant exceeds 40°C (104°F) unless the approval authority, upon request of the POTW, approves alternative temperature limits;

5. Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through;

6. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;

7. Any trucked or hauled pollutants, except at discharge points designated by the POTW.

8. Pollutants which will cause corrosive structural damage to the POTW, but in no case discharges with pH lower than 5.0 or greater than 11.0, unless the works is specifically designed to accommodate such discharges.

C. Prohibited Unless Approved

1. Any of the following discharges are prohibited unless approved by the Department under extraordinary circumstances (such as a lack of direct discharge alternatives due to combined sewer service or a need to augment sewage flows due to septic conditions):

   a. Noncontact cooling water in significant volumes.

   b. Storm water and other direct inflow sources.

   c. Wastewaters significantly affecting system hydraulic loading, which do not require treatment or would not be afforded a significant degree of treatment by the system.

2. Unless specifically authorized in this permit, the discharge of dangerous wastes as defined in Chapter 173-303 WAC, is prohibited.

S7. DILUTION PROHIBITED

The Permittee shall not dilute the wastewater discharge with stormwater or increase the use of potable water, process water, noncontact cooling water, or, in any way, attempt to dilute the effluent discharged to the Stanwood WWTP as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit.

S8. SOLID WASTE DISPOSAL

A. Solid Waste Handling

The Permittee shall handle and dispose of all solid waste material in such a manner as to prevent its entry into state ground or surface water.

B. Leachate

The Permittee shall not allow leachate from its solid waste material to enter state waters without providing all known, available and reasonable methods of treatment, nor allow such leachate to cause violations of the State Surface Water Quality Standards, Chapter 173-201A WAC, or the State Ground Water Quality Standards, Chapter 173-200 WAC. The Permittee shall apply for a permit or permit modification as may be required for such discharges to state ground or surface waters.

C. Solid Waste Control Plan

The Permittee shall submit all proposed revisions or modifications to the solid waste control plan to the Department. The Permittee shall comply with any plan modifications. The Permittee shall submit an update of the solid waste control plan with the application for permit renewal 180 days prior to the expiration date of the permit.

S9. COMPLIANCE SCHEDULE

The Permittee shall install adequate off-season storage for wastewater. The Permittee shall submit to the Department a report including, whether or not it complied with the compliance schedule and, if not, the date on which it expects to comply, the reason for delay, and the steps being taken to return the project to the schedule established.

Event	No Later Than
1. Submit schedule for design and completion of installation of a wastewater storage lagoon.	August 15, 2000
2. Complete installation of storage facility.	November 1, 2000
3. Notify Department of Ecology, in writing, of fully functional storage facility for process wastewater.	December 1, 2000

S10. IRRIGATION AND CROP MANAGEMENT PLAN

An Irrigation and Crop Management Plan shall be submitted annually by March 1, for Department review. The plan shall generally conform with *Guidelines for Preparation of Engineering Reports for Industrial Wastewater Land Application Systems*, Ecology 1993. A soil scientist must prepare the plan. The plan shall include the following elements:

A. Annual Summary of Farm Operations for Previous Year

This summary shall include:

1. For each crop grown, the total acreage and quantity harvested.

2. Calculated balances for nutrients, salts, or other design limiting parameters. The calculations shall include crop consumptive use, process wastewater loadings of nutrients, salts, TDS or other design limiting parameters, and contributions from commercial fertilizers applied and residual soil nitrogen at the end of the irrigation season.

3. Calculated water balance. The calculations shall include irrigation system efficiency and application uniformity, the quantity of supplemental irrigation water and process wastewater applied, crop consumptive use, water stored in the soil profile outside the normal growing season, and salt leaching requirements.

4. The flow meter calibrations from April and September, conducted by an independent consultant.

5. Surface water testing results. A summary of the surface water testing results shall be submitted and discussed as part of the annual Irrigation and Crop Management Plan.

6. Soils and crop data.

B. Cropping Schedule for Upcoming Year

This schedule shall include:

1. Crop Management. The proposed acreage for each crop, cultivation and harvesting requirements, expected crop yields, and methods for establishing a crop, and proposed schedule for herbicide, pesticide, and fertilizer application.

2. Irrigation Management. The frequency and timing of wastewater and supplemental irrigation water application (including harvest and non-harvest periods), and recommended rest cycles for wastewater application where organic or hydraulic loading is a concern.

GENERAL CONDITIONS

G1. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the Department shall be signed as follows:

A. All permit applications shall be signed by either a principal executive officer or ranking elected official.

B. All reports required by this permit and other information requested by the Department shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

1. The authorization is made in writing by the person described above and is submitted to the Department at the time of authorization, and

2. The authorization specifies either a named individual or any individual occupying a named position.

C. Changes to authorization. If an authorization under paragraph B.2. above is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.

D. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

G2. RIGHT OF ENTRY

Representatives of the Department shall have the right to enter at all reasonable times in or upon any property, public or for the purpose of inspecting and investigating conditions relating to the pollution or the possible pollution of any waters of the state. Reasonable times shall include normal business hours; hours during which production, treatment, or discharge occurs; or times when the Department suspects a violation requiring immediate inspection. Representatives of the Department shall be allowed to have access to, and

copy at reasonable cost, any records required to be kept under terms and conditions of the permit; to inspect any monitoring equipment or method required in the permit; and to sample the discharge, waste treatment processes, or internal waste streams.

G3. PERMIT ACTIONS

This permit shall be subject to modification, suspension, or termination, in whole or in part by the Department for any of the following causes:

A. Violation of any permit term or condition;

B. Obtaining a permit by misrepresentation or failure to disclose all relevant facts;

C. A material change in quantity or type of waste disposal;

D. A material change in the condition of the waters of the state; or

E. Nonpayment of fees assessed pursuant to RCW 90.48.465.

The Department may also modify this permit, including the schedule of compliance or other conditions, if it determines good and valid cause exists, including promulgation or revisions of regulations or new information.

G4. REPORTING A CAUSE FOR MODIFICATION

The Permittee shall submit a new application, or a supplement to the previous application, along with required engineering plans and reports, whenever a new or increased discharge or change in the nature of the discharge is anticipated which is not specifically authorized by this permit. This application shall be submitted at least 60 days prior to any proposed changes. Submission of this application does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

G5. PLAN REVIEW REQUIRED

Prior to constructing or modifying any wastewater control facilities, an engineering report and detailed plans and specifications shall be submitted to the Department for approval in accordance with Chapter 173-240 WAC. Engineering reports, plans, and specifications should be submitted at least 180 days prior to the planned start of construction. Facilities shall be constructed and operated in accordance with the approved plans.

G6. COMPLIANCE WITH OTHER LAWS AND STATUTES

Nothing in the permit shall be construed as excusing the Permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.

G7. DUTY TO REAPPLY

The Permittee must apply for permit renewal at least 180 days prior to the specified expiration date of this permit.

G8. PERMIT TRANSFER

This permit is automatically transferred to a new owner or operator if:

A. A written agreement between the old and new owner or operator containing a specific date for transfer of permit responsibility, coverage, and liability is submitted to the Department;

B. A copy of the permit is provided to the new owner and;

C. The Department does not notify the Permittee of the need to modify the permit.

Unless this permit is automatically transferred according to section A. above, this permit may be transferred only if it is modified to identify the new Permittee and to incorporate such other requirements as determined necessary by the Department.

G9. PAYMENT OF FEES

The Permittee shall submit payment of fees associated with this permit as assessed by the Department. The Department may revoke this permit if the permit fees established under Chapter 173-224 WAC are not paid.

G10. PENALTIES FOR VIOLATING PERMIT CONDITIONS

Any person who is found guilty of willfully violating the terms and conditions of this permit shall be deemed guilty of a crime, and upon conviction thereof shall be punished by a fine of up to ten thousand dollars and costs of prosecution, or by imprisonment in the discretion of the court. Each day upon which a willful violation occurs may be deemed a separate and additional violation.

Any person who violates the terms and conditions of a waste discharge permit shall incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to ten thousand dollars for every such violation. Each and every such violation shall be a separate and distinct offense, and in case of a continuing violation, every day's continuance shall be and be deemed to be a separate and distinct violation.